- An antibody- toxic moiety conjugate comprising: an antibody that
 specifically recognizes a molecule expressed only on activated T cells and a toxic moiety.
 - 2. The antibody-toxic moiety conjugate of claim 1, wherein the antibody is specifically reactive with CTLA4.
 - 3. The antibody-toxic moiety conjugate of claim 2, wherein the antibody is specifically reactive with human CTLA4.
 - 4. The antibody-toxic moiety conjugate of claim 2, wherein the antibody is a monoclonal antibody.
 - 5. The antibody-toxic moiety conjugate of claim 2, wherein the antibody binds to a region of the CTLA4 molecule that blocks the binding of CTLA4 to CD80 or CD86.
 - 6. The antibody-toxic moiety conjugate of claim 2, wherein the antibody binds to a region of the CTLA4 in spatial proximity to the site of CTLA4 binding to a costimulatory molecule.
- 7. The antibody- toxic moiety conjugate of claim 2, wherein the substitution of amino acid 83 in the amino acid sequence of human CTLA4 shown in SEQ ID NO:2 results in modulation of binding of the antibody.
- 8. The antibody- toxic moiety conjugate of claim 2, wherein the toxic moiety is a carbohydrate.

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- 9. The antibody- toxic moiety conjugate of claim 8, wherein the carbohydrate is calicheamicin.
- The antibody- toxic moiety conjugate of claim 2, wherein the toxic
 moiety is a naturally occurring bacterial product.
 - 11. The antibody- toxic moiety conjugate of claim 10, wherein the toxic moiety is selected from the group consisting of ricin A chain and saporin.
 - 12. The antibody- toxic moiety conjugate of claim 2, wherein the antibody is produced by a hybridoma selected from the group consisting of: ATCC Accession No.____ (hybridoma), and ATCC Accession No.____ (hybridoma).
 - 13. The antibody- toxic moiety conjugate of claim 2, wherein the antibody is humanized.
 - 14. A humanized antibody that is specifically reactive with human CLTA4, wherein the antibody comprises an amino acid sequence shown in SEQ ID NO:8.
 - 15. A humanized antibody that is specifically reactive with human CLTA4, wherein the antibody comprises an amino acid sequence shown in SEQ ID NO:10.
 - 16. A method of modulating the immune response comprising contacting a cell with an antibody- toxic moiety conjugate of claim 2.
- 30 17. The method of claim 16, wherein the antibody- toxic moiety conjugate is administered to a subject and the step of contacting is performed *in vivo*.

- 18. The method of claim 17, wherein the subject is suffering from a disorder or condition that would benefit from downmodulation of an ongoing immune response wherein the disorder or condition is selected from the group consisting of: an autoimmune disorder, an immune response to a graft, an allergic response, an immune response to a therapeutic protein.
- 19. The method of claim 16, wherein the step of contacting is performed *in vitro*.
- 20. A method of modulating the immune response comprising contacting a cell with an antibody specifically reactive with CTLA4, wherein the antibody is produced by a hybridoma selected from the group consisting of: ATCC Accession No.____ (hybridoma _____), and ATCC Accession No.____ (hybridoma _____).
- 21. A method of modulating the immune response comprising contacting a cell with an antibody specifically reactive with human CLTA4, wherein the antibody comprises an amino acid sequence shown in SEQ ID NO:8.
- 22. A method of modulating the immune response comprising contacting a cell with an antibody specifically reactive with human CLTA4, wherein the antibody comprises an amino acid sequence shown in SEQ ID NO:10.
- 23. A method of downmodulating the immune response comprising contacting a cell with an antibody-toxic moiety conjugate, wherein the antibody specifically recognizes CTLA4.

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